

PA-IDC

Pre Ed, X

QUERY CONTROL FORM		RTIS USE ONLY	
Application No.	<u>09758775</u>	Prepared by	<u>BMG</u>
Examiner-GAU	<u>0975 -</u>	Date	<u>7-21-04</u>
		No. of queries	<u>1 CA</u>
		Tracking Number	<u>05977478</u>
		Week Date	<u>7/12/04</u>
		<u>AKKqpcld: - 2871</u>	

JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other

MESSAGE*Improper Dependency:**Serial #*

- (1) Claims 1, 2, 4, 6, 7 depend on claim 10.
- (2) Newly numbered claim 8 depends on claim 11.
- (3) Newly numbered claim 9 depends on claim 12.

(See attached pages) please advise/correct claim dependency.

*Please Resub**Thank You***CLAIMS**

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

initials

*CA***RESPONSE**

initials

09758,775

PATENT

IN THE CLAIMS:

- 1-7. (Cancelled).
- 8-21. (Withdrawn from consideration in this application).
22. (Canceled).
23. (Currently Amended) The light valve of claim 22 42 wherein said liquid crystal cell is an LCoS cell.
24. (Currently Amended) The light valve of claim 22 42 wherein light incident to the light valve is between 100 10° and 200 20° off-axis.
25. (Currently Amended) The light valve of claim 23 wherein light incident to the light valve is 150 15° off-axis.
26. (Currently Amended) The light valve of claim 22 42 wherein said liquid crystal cell has a twist angle ranging from 400 40° to 650 65°.
27. (Original) The light valve of claim 26 wherein said liquid crystal cell is in twisted nematic mode.
28. (Currently Amended) The light valve of claim 22 42 wherein the horizontal axis of said polarizer and the horizontal axis of said analyzer are 900 90° apart.
29. (Canceled).
30. (Currently Amended) The light valve of claim 29 42 wherein said retarder has a retardation value centered at 530 nanometers and a retardation angle centered at 890 89° in a red band of light.

09/758,775

PATENT

31. (Canceled).

8 32. (Currently Amended) The light valve of claim 31 ~~43~~ wherein said retarder has a retardation value centered at 460 nanometers and a retardation angle centered at 89° in a green band of light.

33. (Canceled).

9 34. (Currently Amended) The light valve of claim 33 ~~44~~ wherein said first retarder has a retardation value centered at 370 nanometers and a retardation angle centered at 890 89° in a blue band of light.

35. (Withdrawn from consideration in this application).

36-41. (Canceled).

10 42. (New) A light valve for use in high contrast reflective microdisplays, comprising:

a twisted nematic mode reflective liquid crystal cell;
a color filter positioned to accept non-polarized light incident to the light valve;

a linear polarizer positioned between said color filter and said liquid crystal cell to impart a polarization to the incident light;

an analyzer positioned in the path of the light reflected by said liquid crystal cell; and

a retarder positioned between said liquid crystal cell and said analyzer in the path of the light reflected by said liquid crystal cell, the retarder having a retardation value ranging from 430 nanometers to 630 nanometers to reduce ellipticity of the reflected light and a retardation angle ranging from 87.6° to 90.2° in a red band of light;